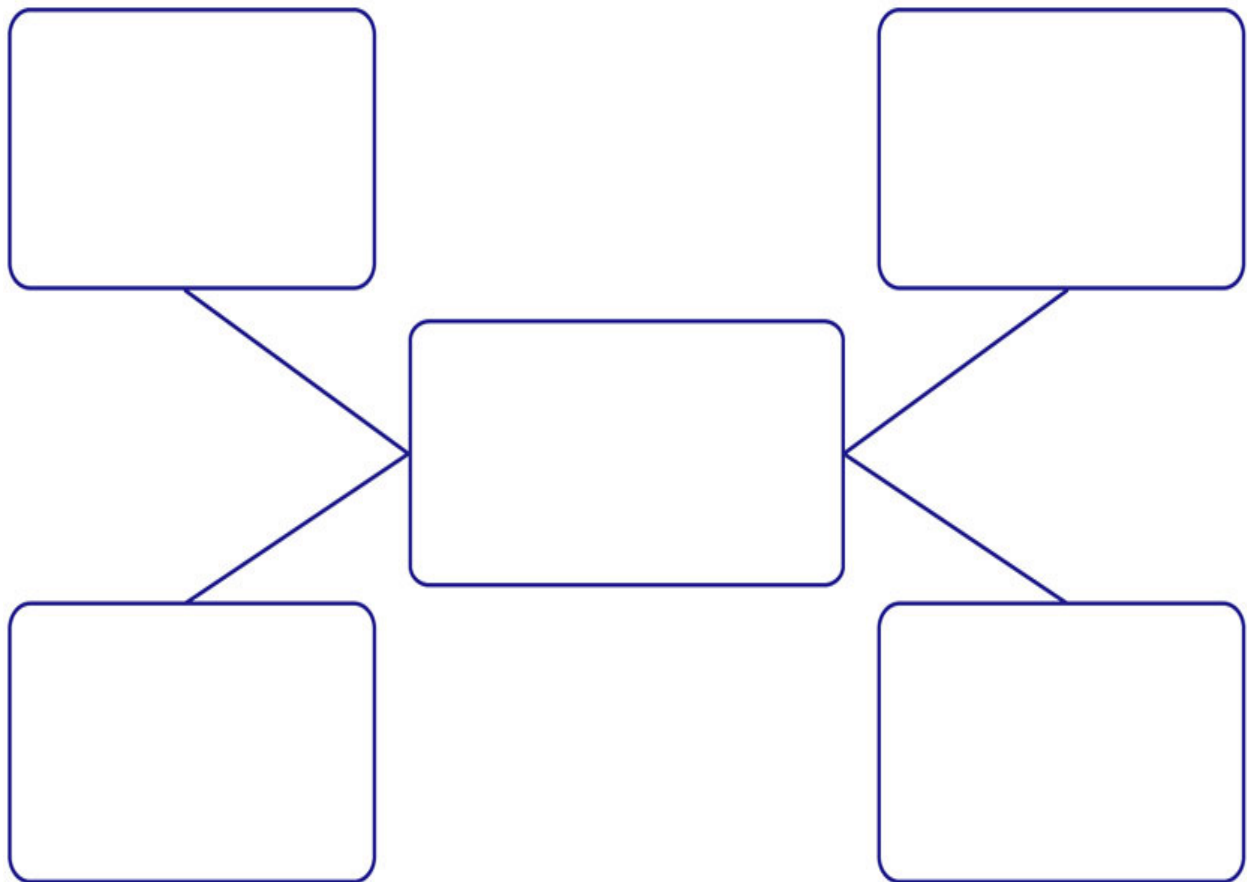


Name _____

Observation Guide

1. Use the diagram below to complete your detailed observation.
2. In the middle rectangle, put down the name of the spice you are observing today.
3. Label the tops of the rectangles (in any order) with the following: **smell**, **sight**, **touch**, and **picture** (you will draw your spice here). You can also do a “rub” or streak of your spice.
4. Observe your spice and record your findings in the rectangles.
5. Remember to use strong adjectives to describe your findings.
6. When everyone in your group is finished working, share your findings with each other.



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Land of Spices **Answer Key**

Here is a list of countries where these spices are grown:

1. **Anise – Spain and Turkey**
2. **Cinnamon (cinnamomum) Stick - Vietnam and Indonesia**
3. **Cardamon (carum)- India and Guatemala.**
4. **Cloves - Madagascar, Indonesia and Sri Lanka**
5. **Caraway Seed – Holland, Canada and the United States**
6. **Allspice - Jamaica, Guatemala and Honduras**

Key: Scientific Names

Anise

The USDA lists 5 varieties of anise.

Example: *Aniseia choisy* or *Pimpinella anisum*

Cinnamon Stick

The USDA lists 12 varieties of cinnamomum.

A correct answer should start with Cinnamomum. Example: *Cinnamomum schaeferi*

Cardamon

Elettaria cardamomum

Cloves

Possible examples: *Eugenia caryophyllata* or *Syzygium aromaticum*

Caraway Seed

Carum carvi

Allspice

Pimenta dioica



Group Names _____

Land of Spices World Guide

You will be researching your spice and the country it comes from. This guide will need to be filled out and checked by your teacher before you create your presentation.

1. What country does your spice come from (choose only one country)?

2. What is the climate like where your spice is grown?

3. How is your spice grown? What is the terrain? What are the agricultural practices?

4. What is the scientific name (genus and species) of your spice?

5. Is your country on an historical trade route? _____ If so, describe where your route was located (between _____ and _____) and during what time period(s) was it used.

6. Give at least two ways that your spice is used?

List five things about the people and their culture in the country where your spice is grown.

a. _____

b. _____

c. _____

d. _____

e. _____

7. Tell any other interesting facts.



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These sites should help get you started:

Information about countries:

<https://www.cia.gov/library/publications/the-world-factbook/>

US Map from Arizona Geographic Alliance

<http://geoalliance.asu.edu/azga/sites/default/files/maps/World-at.pdf>

Spice Information

<http://www.spiceadvice.com/encyclopedia/index.html>

Plant Information

<http://plants.usda.gov/java/>

Learn how your cells send messages to the brain on things like feel or taste:

<http://askabiologist.asu.edu/epithelial-cells>





Popplet Scoring Guide <http://popplet.com/>

NOTE: Entries 1-7 need to include a picture and written information (70 possible points).

Entries eight – eleven are worth 5 points each (20 possible points).

- _____ 1 Title your Popplet with the name of your country and your spice.
- _____ 2. Include the following: climate, terrain, and agricultural practices.
- _____ 3. Describe how your spice grown.
- _____ 4. Include the scientific name (genus and species) for your spice.
- _____ 5. Include the historical trade route of your spice.
- _____ 6. Include two ways your spice is used?
- _____ 7. Include five facts about your countries culture.
- _____ 8. Include your source citations. (Where did you get your information? Include the link.)
- _____ 9. Check for no spelling or grammar errors.
- _____ 10. Make sure your Popplet is well organized and easy to understand
- _____ 11. Make sure your presentation is organized and your voices can be heard

Total _____/90 points.